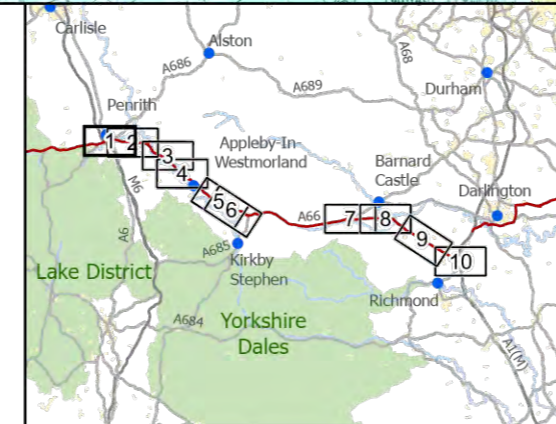


— Route Alignment  
 = Existing A66  
 [Red Outline] Order Limits  
 [Dashed Line] Study Area 250m  
 BGS 1:50k Linear Features  
 ● Mineral Vein  
 ◀ Glacial Meltwater Channel  
 - - - Fault Unspecified  
 BGS 1:50k Bedrock  
 [Light Blue] Alston Formation - Mudstone Sandstone and Siltstone  
 [Orange] Alston Formation - Sandstone  
 [Cyan] Belah Dolomite  
 [Red] Brockram Breccia  
 [Purple] Crag Limestone  
 [Green] Eden Shales  
 [Light Blue] Evaporite - Gypsum  
 [Light Green] Four Fathom Limestone  
 [Dark Green] Great Limestone Member  
 [Teal] Little Limestone  
 [Red] Penrith Sandstone  
 [Orange] St Bees Sandstone Member  
 [Light Green] Stainmore Formation - Mudstone, Siltstone and Sandstone  
 [Cyan] Three Yard Limestone



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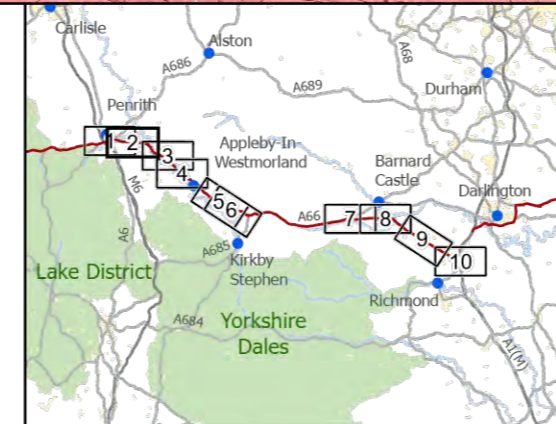
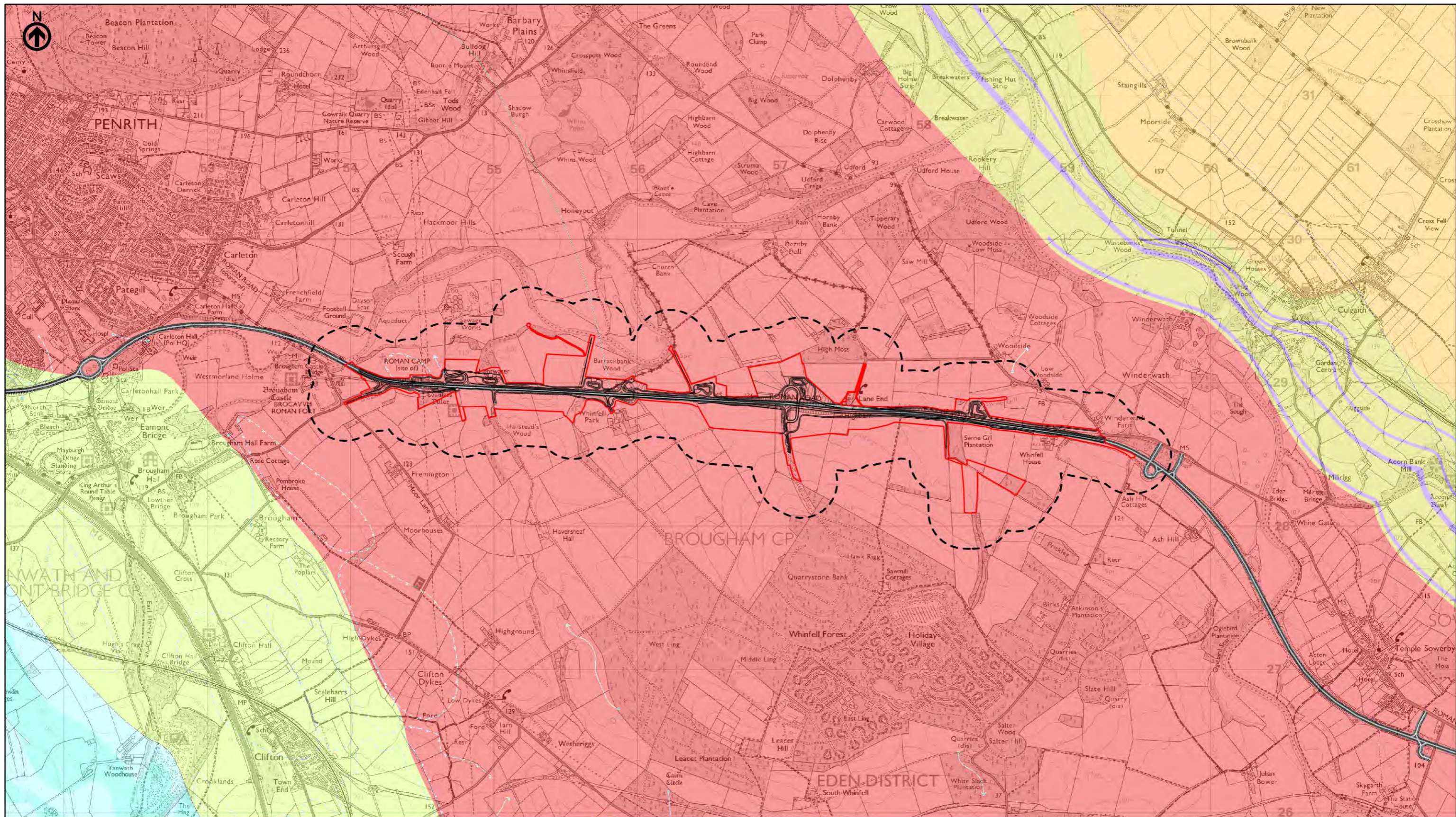
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		17/03/22	17/03/22	17/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name  
**A66 Northern Trans-Pennine Project**  
 Map Title  
**Figure 9.3**  
 Published Geology - Bedrock Geology  
 Scheme: 0102, M6 Junction 40 to Kemplay Bank  
 Sheet 1 of 10

Map Number	Project	Originator	Volume
HE565627	-	AMY	EGT
S00	-	MP - LG	005101
Location		Type	Role   Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



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P02	First Issue				
	CHAL	CESL	CMCG	AMIT	KWHA
	17/03/22	17/03/22	17/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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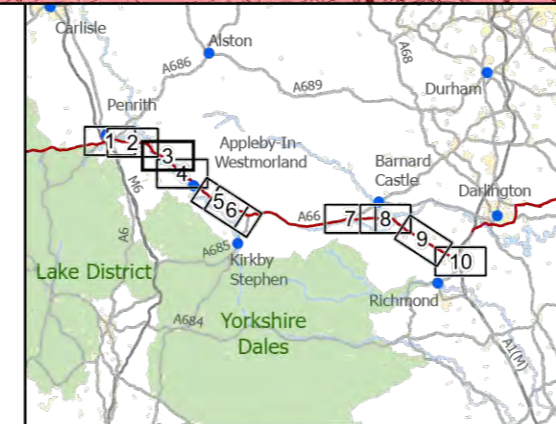
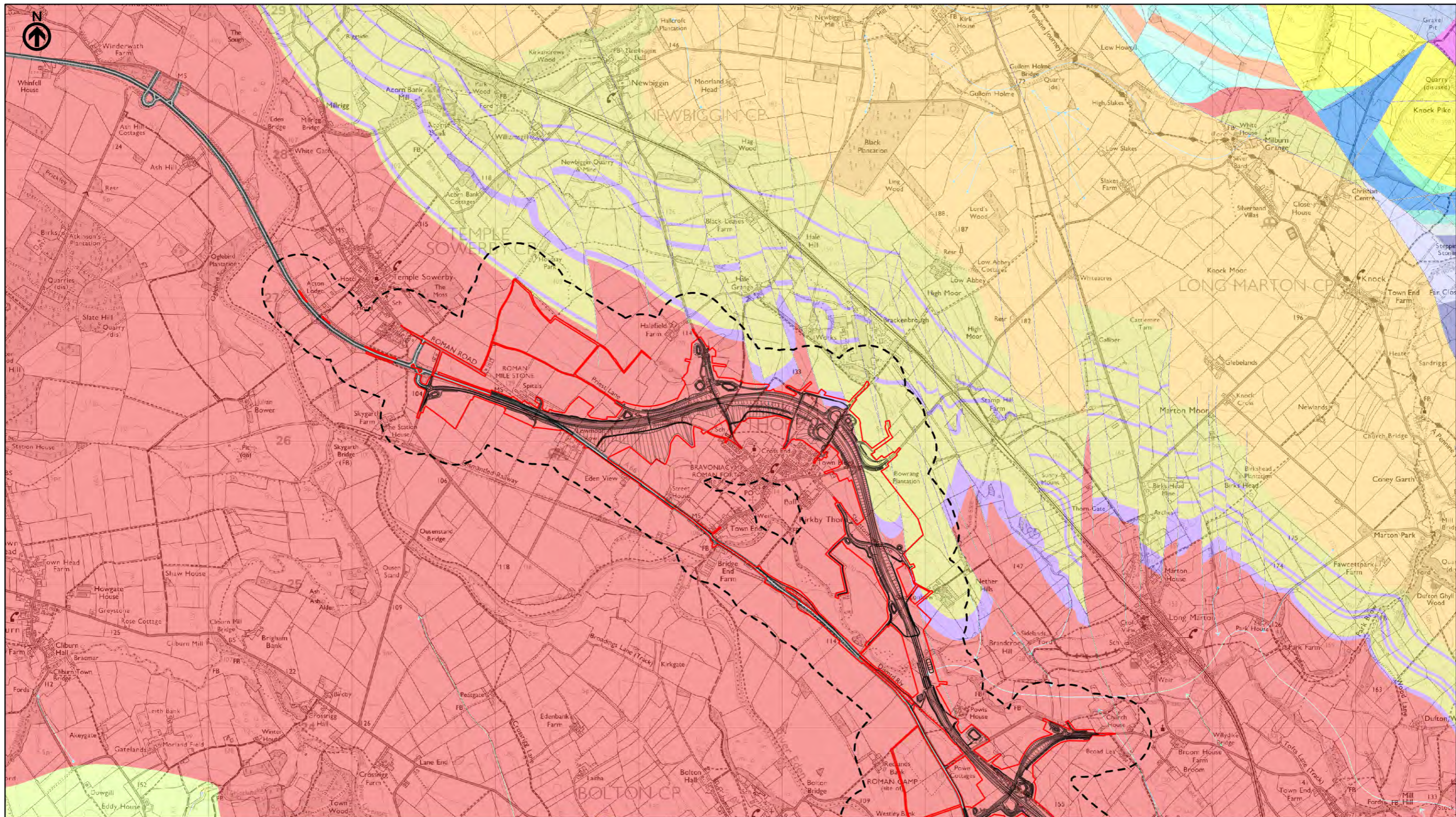
Project Name  
**A66 Northern Trans-Pennine Project**

Map Title  
**Figure 9.3**

Published Geology - Bedrock Geology  
 Scheme: 03, Penrith to Temply Sowerby  
 Sheet 2 of 10

Map Number	Project	Originator	Volume
HE565627	-	AMY	EGT
S00	-	MP - LG	005102
Location		Type	Role   Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



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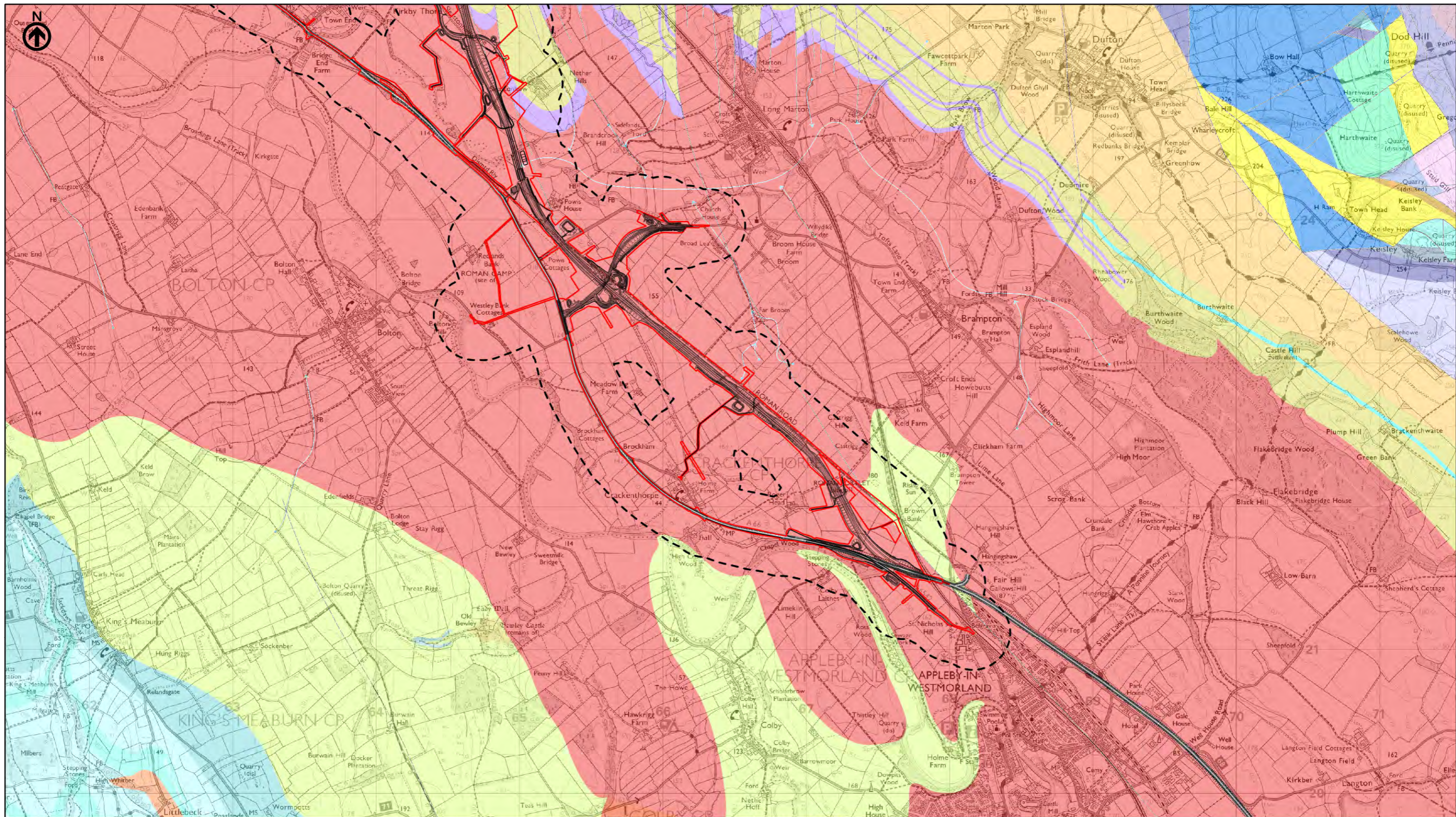
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	17/03/22	17/03/22	17/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

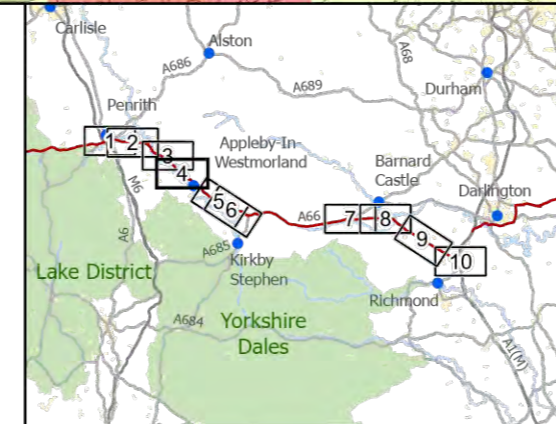
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 9.3</b>			
Published Geology - Bedrock Geology			
Scheme: 0405, Temple Sowerby to Appleby			
Sheet 3 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EGT	
S00	MP	LG	005103
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P02
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



— Route Alignment  
 — Existing A66  
 [Red Outline] Order Limits  
 [Dashed Line] Study Area 250m  
 BGS 1:50k Linear Features  
 ● Mineral Vein  
 ◀ Glacial Meltwater Channel  
 - - - Fault Unspecified  
 BGS 1:50k Bedrock  
 [Light Blue] Alston Formation - Mudstone Sandstone and Siltstone  
 [Orange] Alston Formation - Sandstone  
 [Cyan] Belah Dolomite  
 [Red] Brockram Breccia  
 [Purple] Crag Limestone  
 [Green] Eden Shales  
 [Light Blue] Evaporite - Gypsum  
 [Cyan] Four Fathom Limestone  
 [Teal] Great Limestone Member  
 [Light Blue] Little Limestone  
 [Red] Penrith Sandstone  
 [Orange] St Bees Sandstone Member  
 [Light Green] Stainmore Formation - Mudstone, Siltstone and Sandstone  
 [Cyan] Three Yard Limestone



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P02	First Issue				
	CHAL	CESL	CMCG	AMIT	KWHA
	17/03/22	17/03/22	17/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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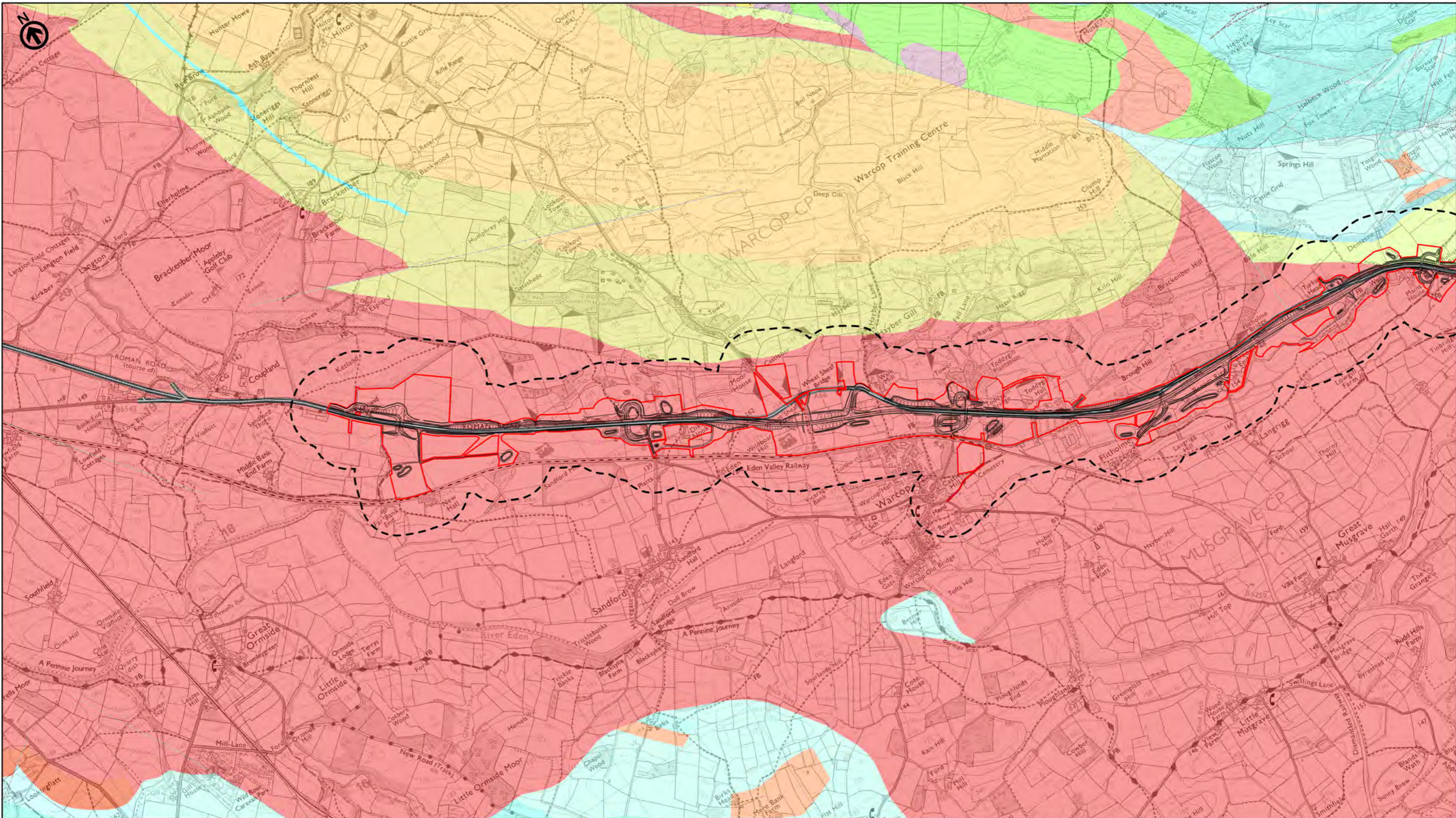
Project Name  
**A66 Northern Trans-Pennine Project**

Map Title  
**Figure 9.3**

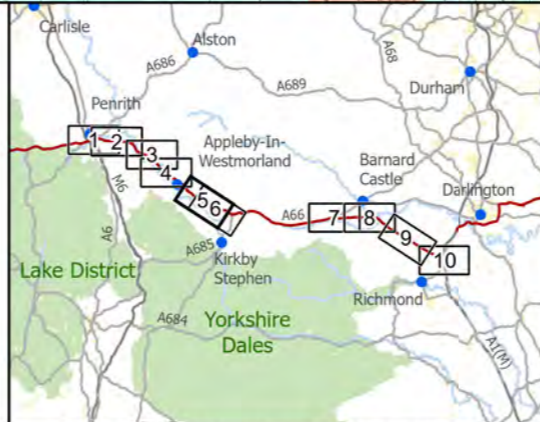
Published Geology - Bedrock Geology  
 Scheme: 0405, Temple Sowerby to Appleby  
 Sheet 4 of 10

Map Number	Project	Originator	Volume
HE565627	-	AMY	EGT
	S00	-	MP - LG - 005104
	Location	Type	Role   Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



<ul style="list-style-type: none"> <li>— Route Alignment</li> <li>— Existing A66</li> <li>— Order Limits</li> <li>--- Study Area 250m</li> <li>BGS 1:50k Linear Features</li> <li>— Mineral Vein</li> <li>— Glacial Meltwater Channel</li> <li>--- Fault Unspecified</li> <li>BGS 1:50k Bedrock</li> <li>Alston Formation - Mudstone Sandstone and Siltstone</li> <li>Alston Formation - Sandstone</li> <li>Belah Dolomite</li> </ul>	<ul style="list-style-type: none"> <li>Brockram Breccia</li> <li>Crag Limestone</li> <li>Eden Shales</li> <li>Evaporite - Gypsum</li> <li>Four Fathom Limestone</li> <li>Great Limestone Member</li> <li>Little Limestone</li> <li>Penrith Sandstone</li> <li>St Bees Sandstone Member</li> <li>Stainmore Formation - Mudstone, Siltstone and Sandstone</li> <li>Three Yard Limestone</li> </ul>
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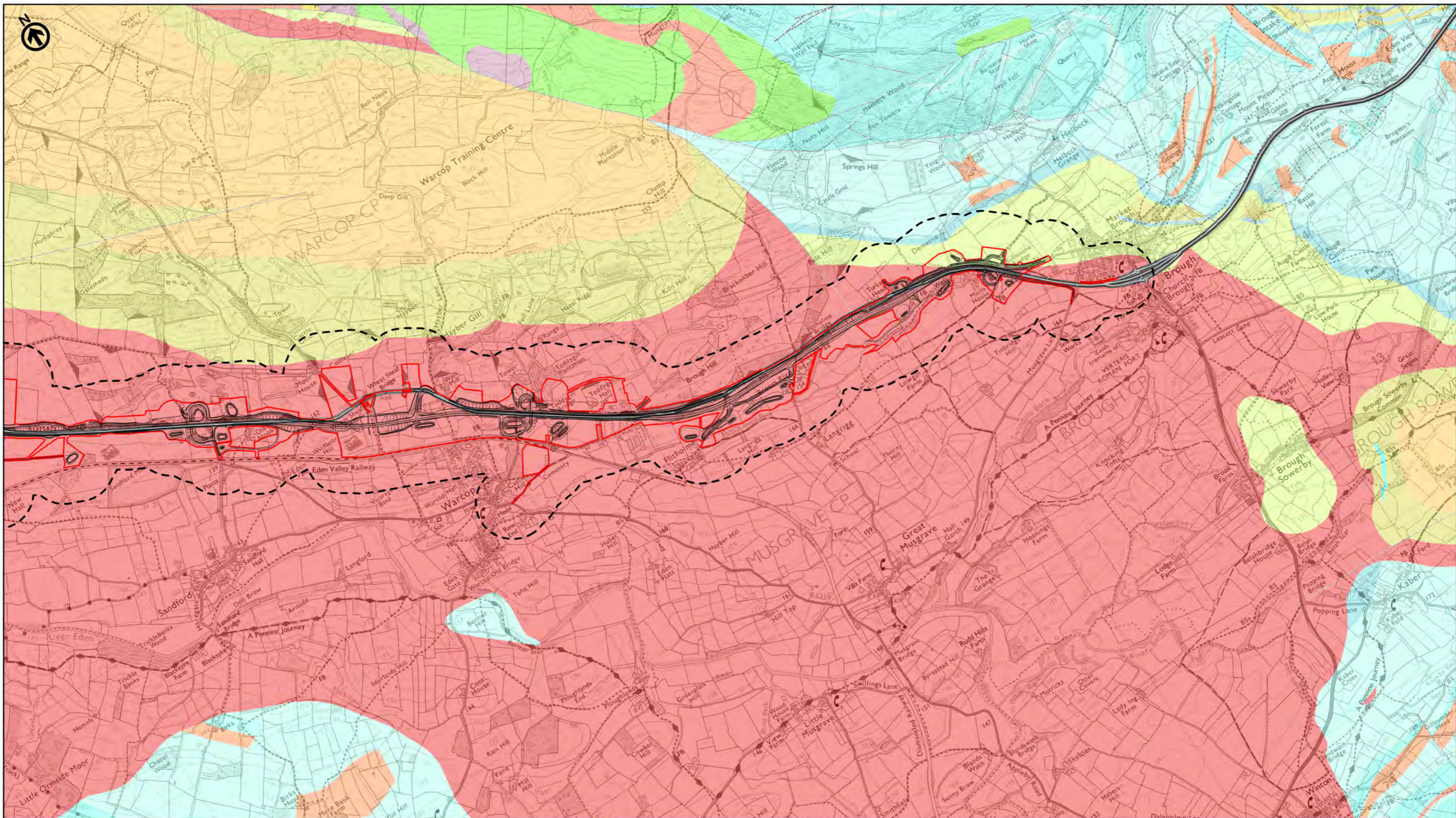
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	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 9.3</b>			
Published Geology - Bedrock Geology			
Scheme: 06, Appleby to Brough			
Sheet 5 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EGT	
S00	MP	LG	005105
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL	Revision P03	



- Route Alignment
- Existing A66
- Order Limits
- Study Area 250m
- BGS 1:50k Linear Features
- Mineral Vein
- Glacial Meltwater Channel
- Fault Unspecified
- BGS 1:50k Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation - Sandstone
- Belah Dolomite

- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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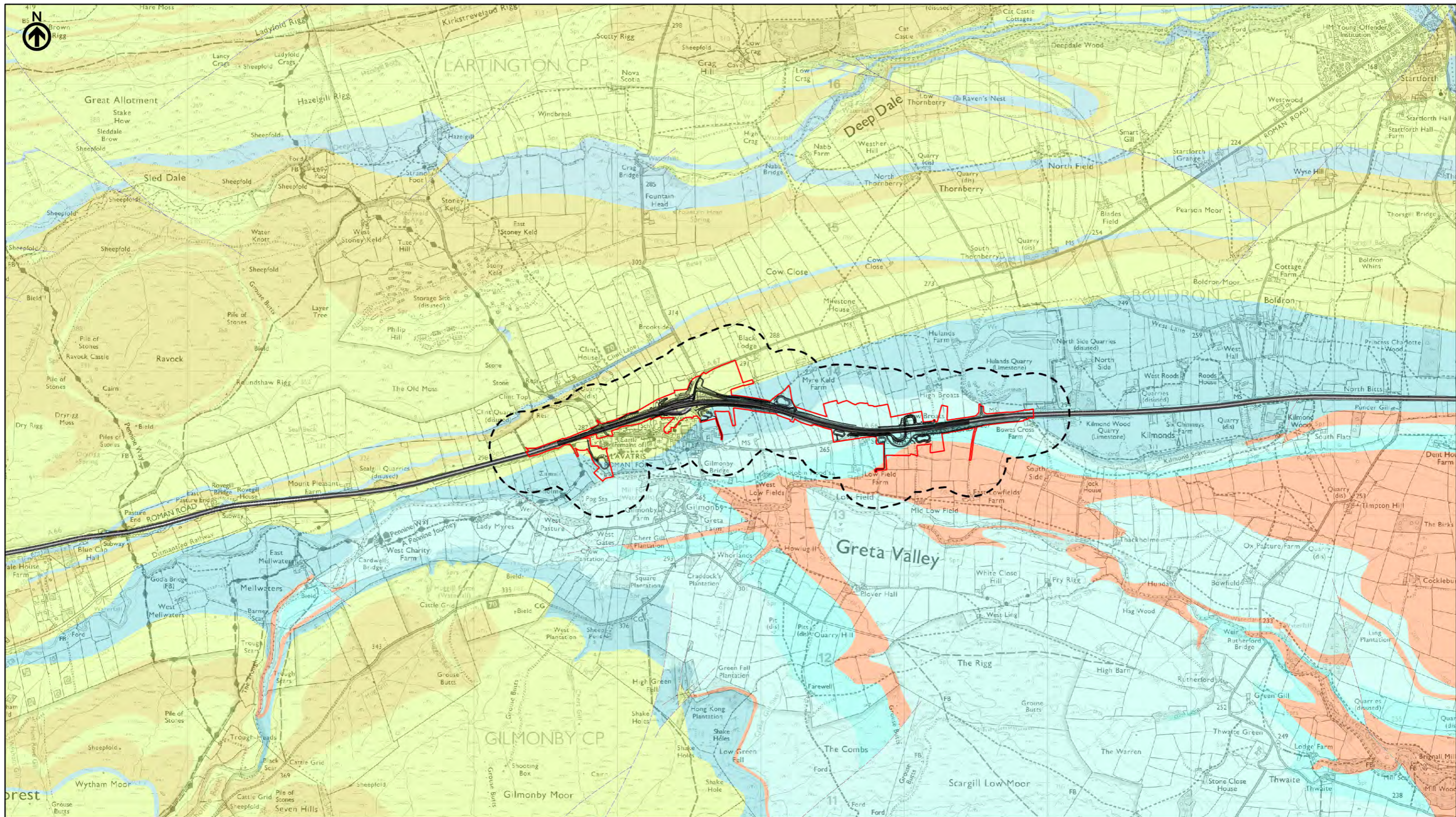
P03	Second Issue: Revised Order Limits				
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Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres  
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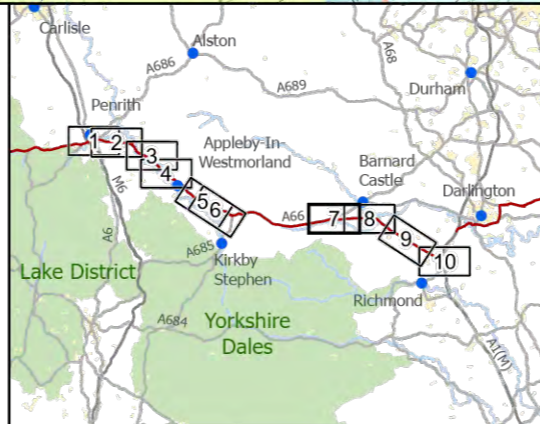
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 9.3</b>			
Published Geology - Bedrock Geology			
Scheme: 06, Appleby to Brough			
Sheet 6 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EGT	
S00	MP	LG	005106
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P03



- Route Alignment
- Existing A66
- Order Limits
- Study Area 250m
- BGS 1:50k Linear Features
- Mineral Vein
- ◀ Glacial Meltwater Channel
- - - Fault Unspecified
- BGS 1:50k Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation - Sandstone
- Belah Dolomite
- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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P02	First Issue	CHAL	CESL	CMCG	AMIT	KWA
		17/03/22	17/03/22	17/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres  
0 1 2

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name  
**A66 Northern Trans-Pennine Project**

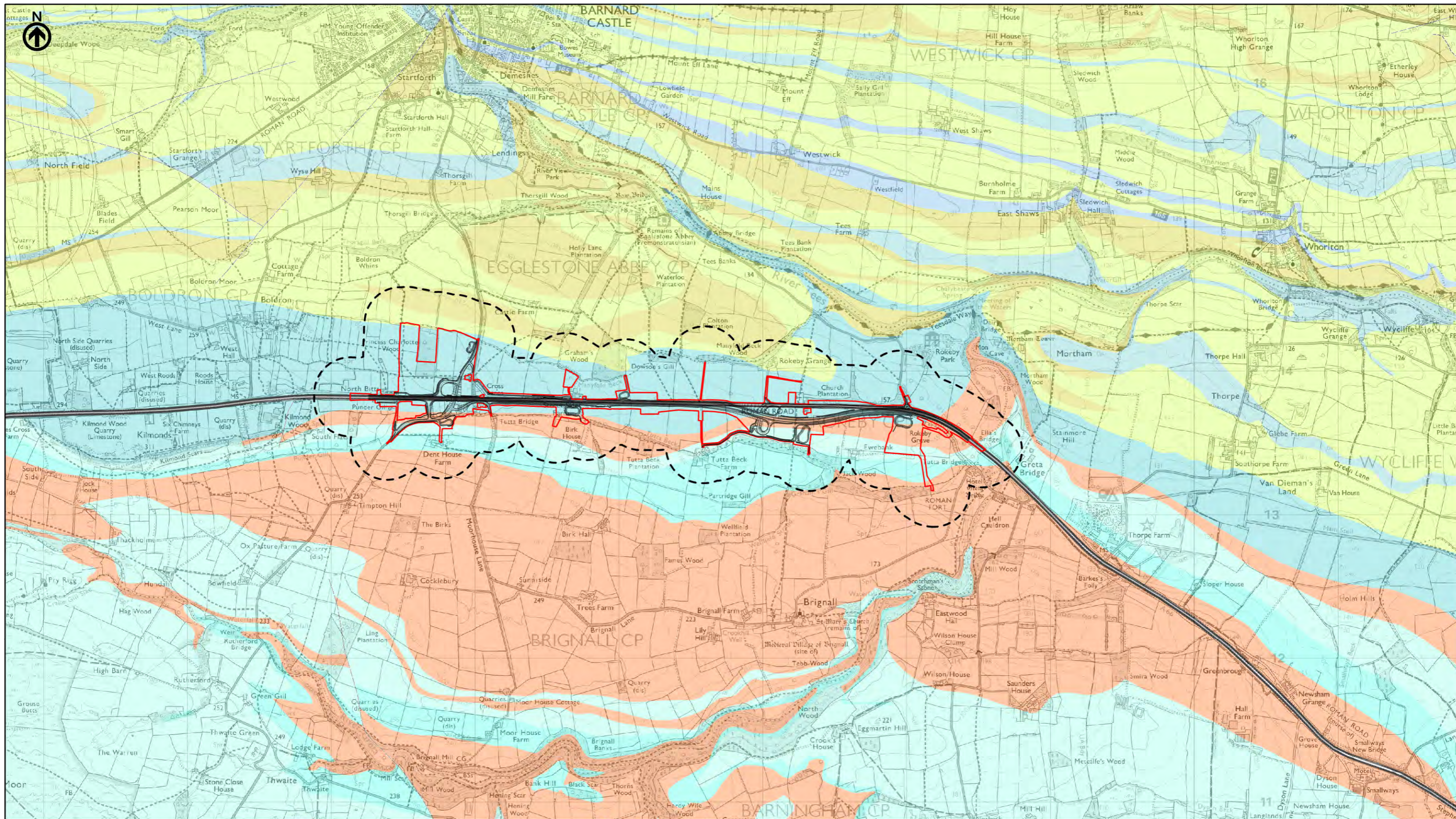
Map Title  
**Figure 9.3**

Published Geology - Bedrock Geology  
Scheme: 07, Bowes Bypass  
Sheet 7 of 10

Map Number	Project	Originator	Volume
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Location		Type	Role   Number

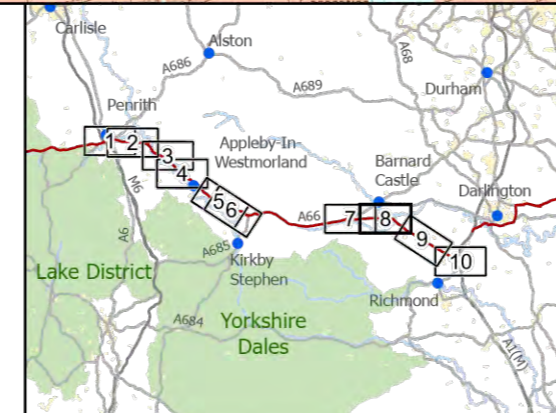
Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02

This Environmental Statement Figure meets the requirements of Regulation 5(2)(l)(i) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure Regulations) 2009.



- Route Alignment
- Existing A66
- Order Limits
- Study Area 250m
- BGS 1:50k Linear Features
- Mineral Vein
- ◀ Glacial Meltwater Channel
- Fault Unspecified
- BGS 1:50k Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation - Sandstone
- Belah Dolomite

- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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P02	First Issue	CHAL	CESL	CMCG	AMIT	KWHA
		17/03/22	17/03/22	17/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres

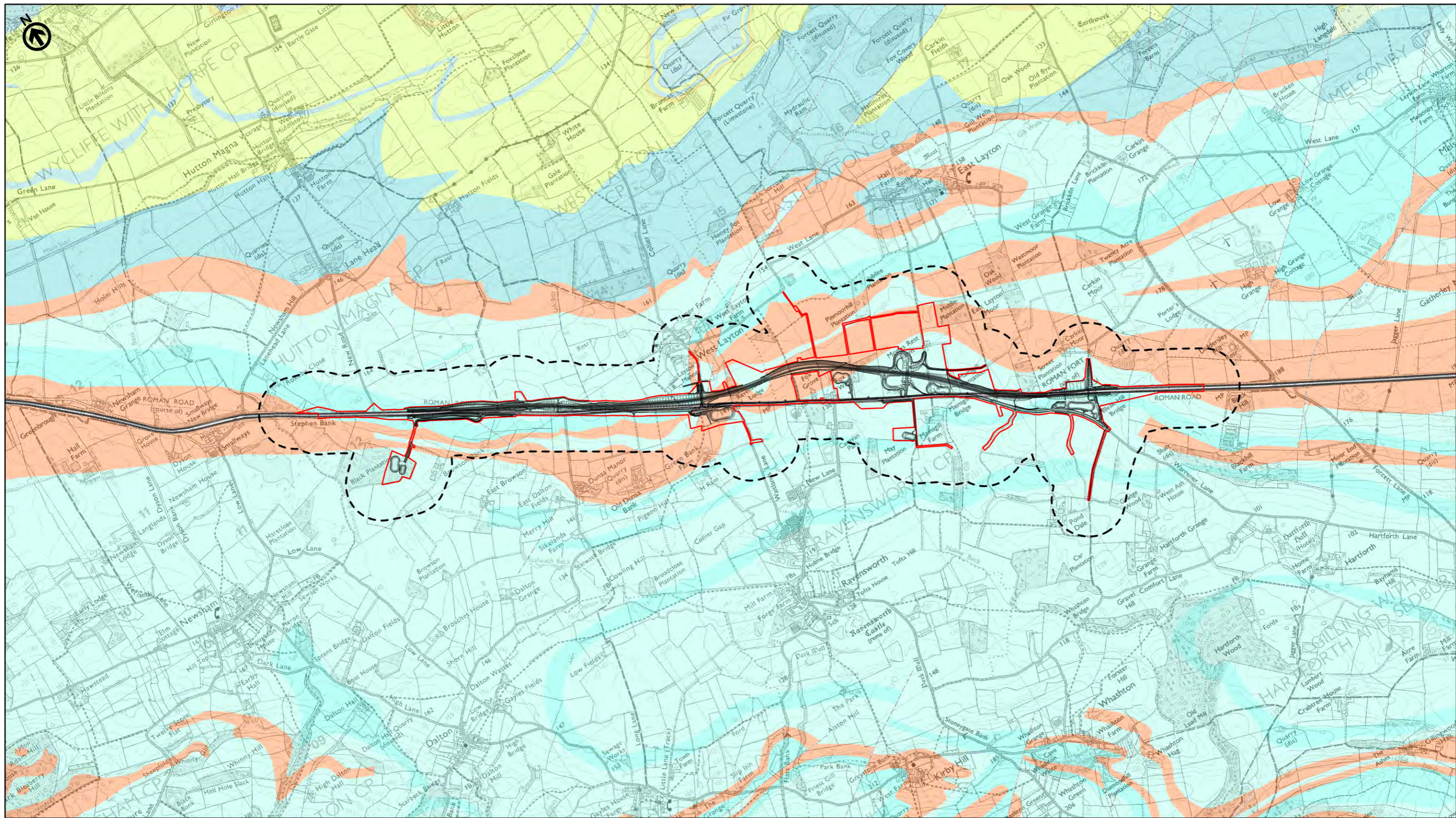
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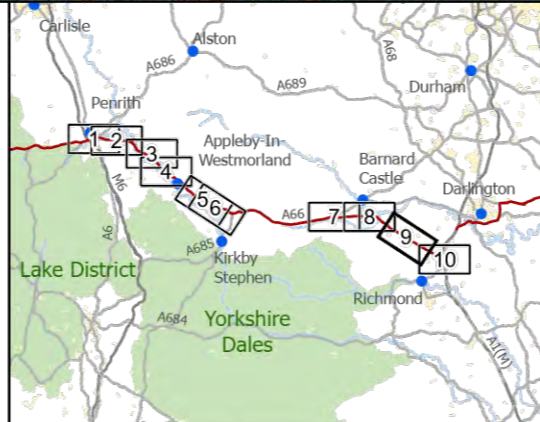
Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 9.3</b>			
Published Geology - Bedrock Geology			
Scheme: 08, Cross Lanes to Rokeby			
Sheet 8 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EGT	
S00	MP	LG	005108
Location	Type	Role	Number
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision P02

This Environmental Statement Figure meets the requirements of Regulation 5(2)(l)(i) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure Regulations) 2009.





- Route Alignment
- Existing A66
- Order Limits
- Study Area 250m
- BGS 1:50k Linear Features
- Mineral Vein
- Glacial Meltwater Channel
- Fault Unspecified
- BGS 1:50k Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation - Sandstone
- Belah Dolomite
- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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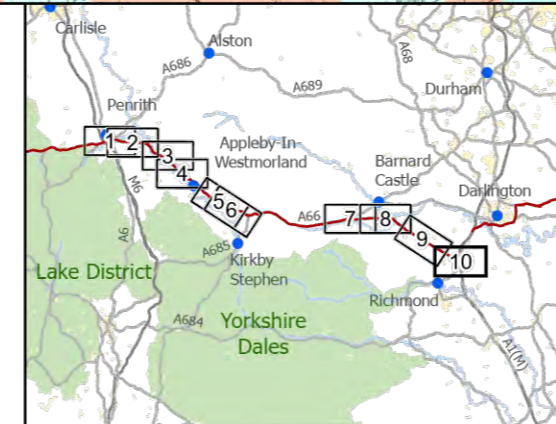
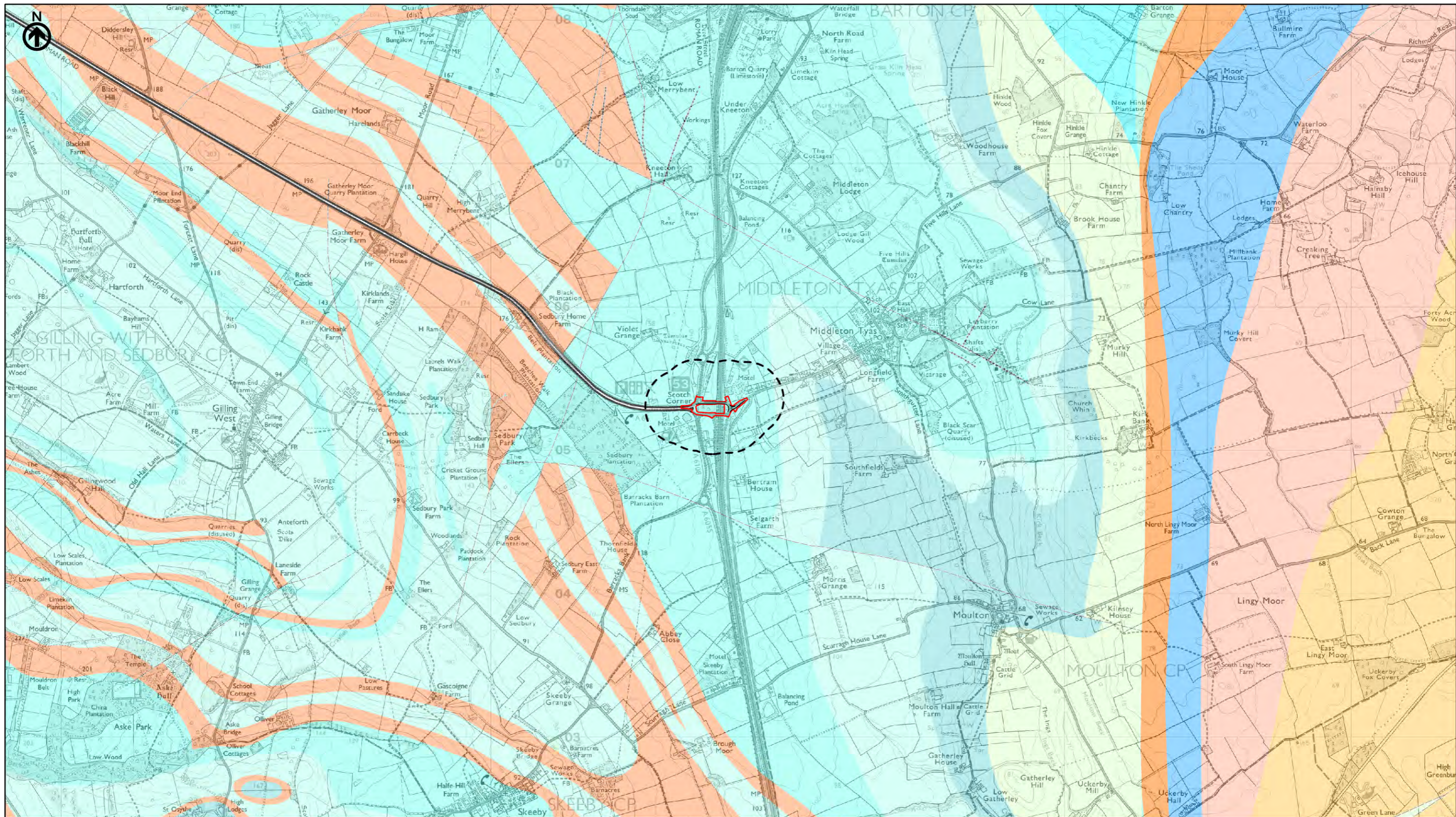
P02	First Issue	CHAL	CESL	CMCG	AMIT	KWHA
	Created	17/03/22	17/03/22	17/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres  
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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 9.3</b>			
Published Geology - Bedrock Geology			
Scheme: 09, Stephen Bank to Carkin Moor			
Sheet 9 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EGT	
S00	MP	LG	005109
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P02
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



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P02	First Issue				
	CHAL	CESL	CMCG	AMIT	KWHA
	17/03/22	17/03/22	17/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres  
0 1 2

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 9.3</b>			
Published Geology - Bedrock Geology			
Scheme: 11, A1(M) Junction 53 Scotch Corner			
Sheet 10 of 10			
Map Number HE565627	Project S00	Originator - AMY	Volume - EGT
Location	Type	Role	Number
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision P02